



South Coast Air Quality Management District

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Ultrafine Particle Graduate Student Research Competition

Overview

The South Coast Air Quality Management District (SCAQMD) is hosting a technical conference on ultrafine particles from April 30, through May 2, 2006 in Los Angeles, California (<http://www.aqmd.gov/tao>). The conference will assemble local, national, and international experts to discuss the formation, composition, testing, measurements, and health effects of ultrafine particles in ambient air and from mobile and stationary combustion sources, and to identify different emissions control strategies and policy guidelines to reduce ultrafine emissions. As part of the conference program, the SCAQMD is establishing an Ultrafine Particle Graduate Student Research Competition to award five outstanding graduate students who have or are conducting **individual or team** ultrafine-related research projects.

Eligibility

The conference is open to all graduate students attending schools in the United States who are in good academic standing as defined by the student's school. Research projects completed before January 1, 2005 are not eligible.

Research Project Guidelines

Research projects should be related to ultrafine particles with emphases on one or more of the following:

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|----------------------------------------------------------------|----------------------------------------------|
| 1. Particle Formation and Composition | 2. Formation & Exposure of Ambient Particles |
| 3. Particle Sampling and Measurement | 4. Health Effects |
| 5. Control Strategies
(engine, fuel, aftertreatment device) | 6. Regulatory Policy Issues |

Rules

Students must submit a 400 to 600-word (English language) written summary of their projects. The report must be detailed, concise, and include, at a minimum, the

1. Synopsis of the project.
2. Objectives and goals of the project including emissions targets if needed.
3. Discussion of the work performed and results, including the student's specific role or contribution to the project.
4. Conclusions and recommendations.

The report should be e-mailed to jospital@aqmd.gov or send by mail to Dr. Jean Ospital at the above address no later than 5:00 p.m. on April 11, 2006.

Judging and Awards

A panel of scientist and educators will judge the entries based on the originality of the project and the clarity of the written research report. The top 5 projects will be selected; the 1st and 2nd winners will receive \$4000 and \$3000, respectively, and the remaining 3 projects will be awarded \$1000 each.